

Title: XML AUTO MAP
GENERATOR
Inventor(s): Jeffery R. ECK
Appl. No.: 09/750,287

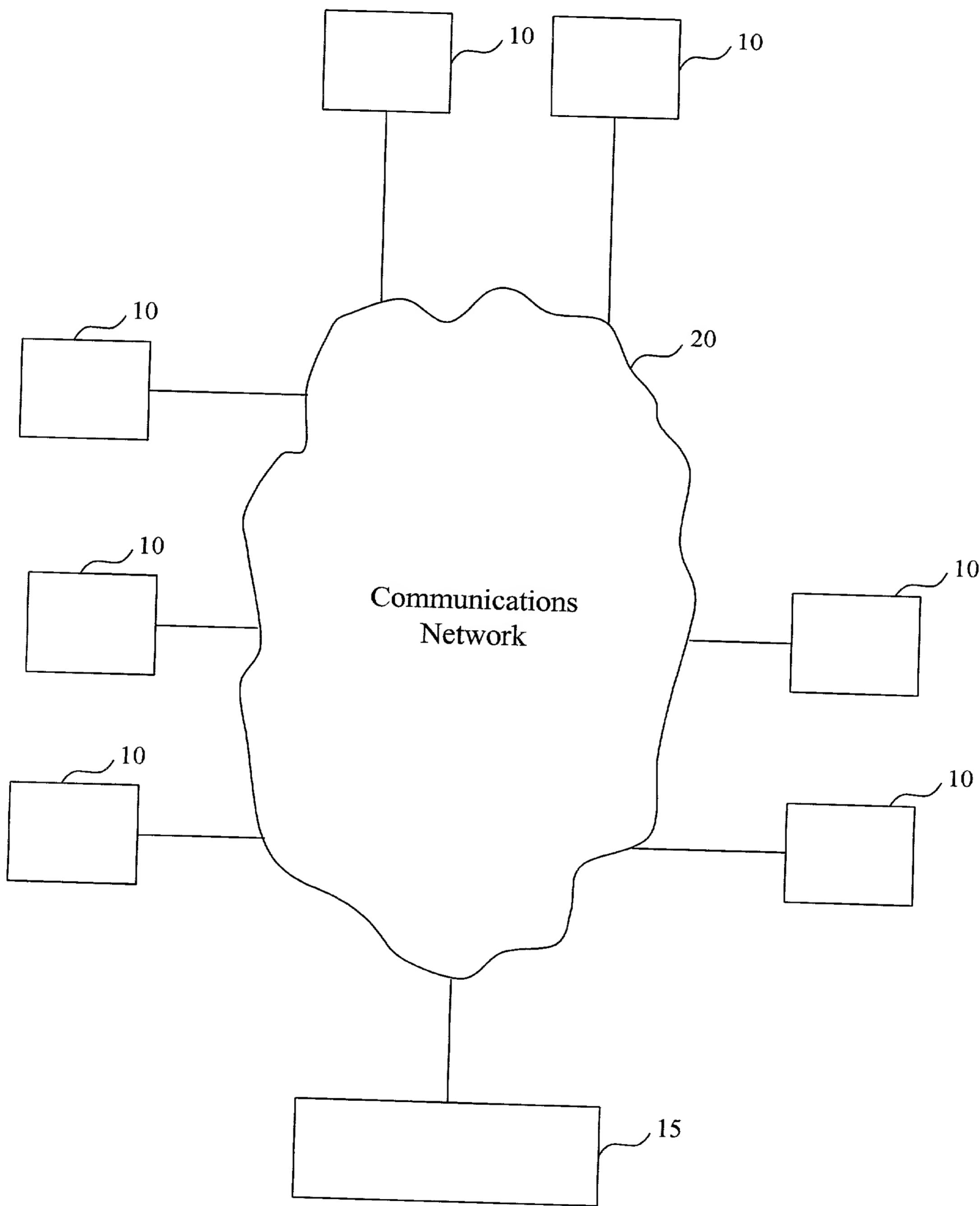


Fig. 1

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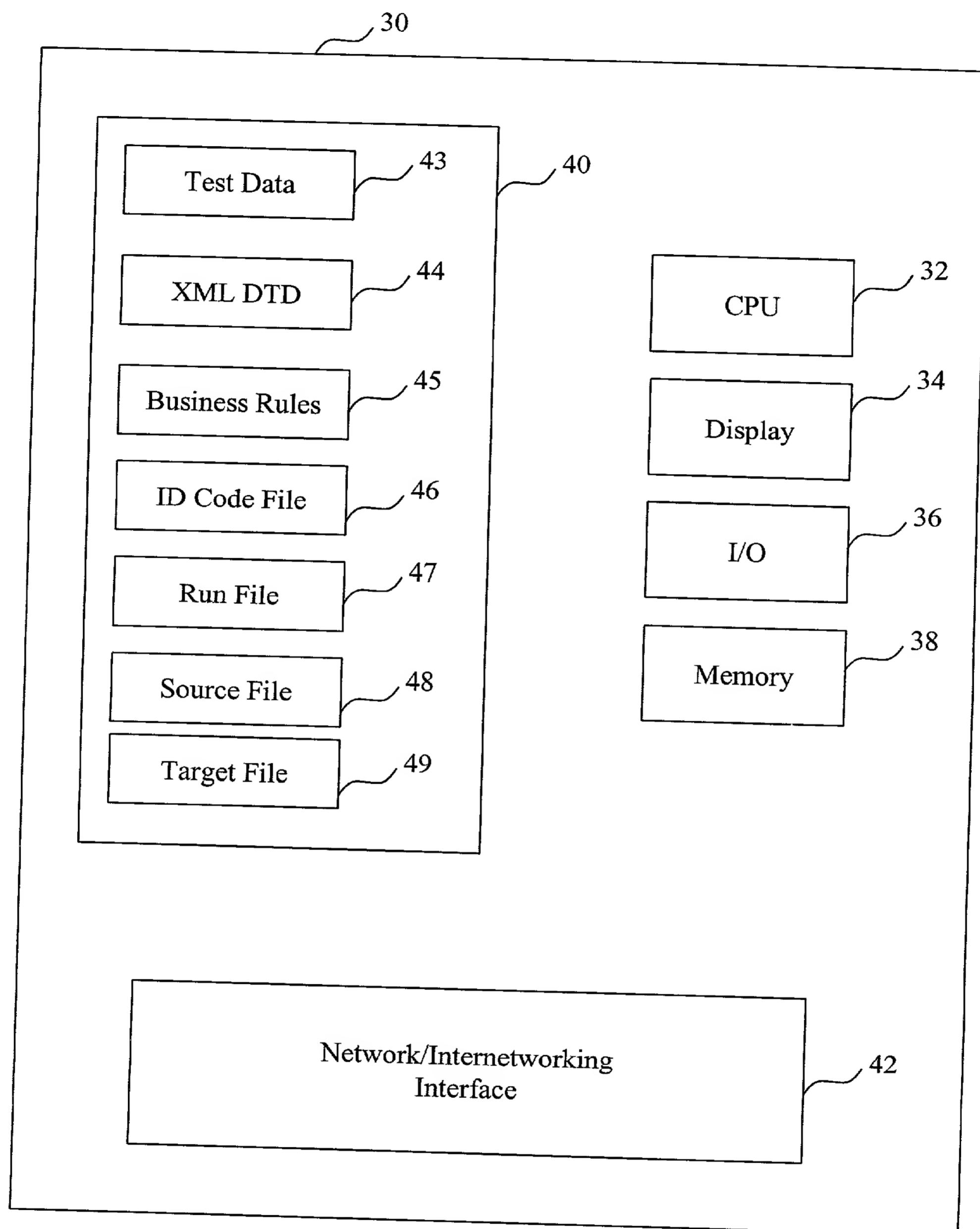


Fig. 2

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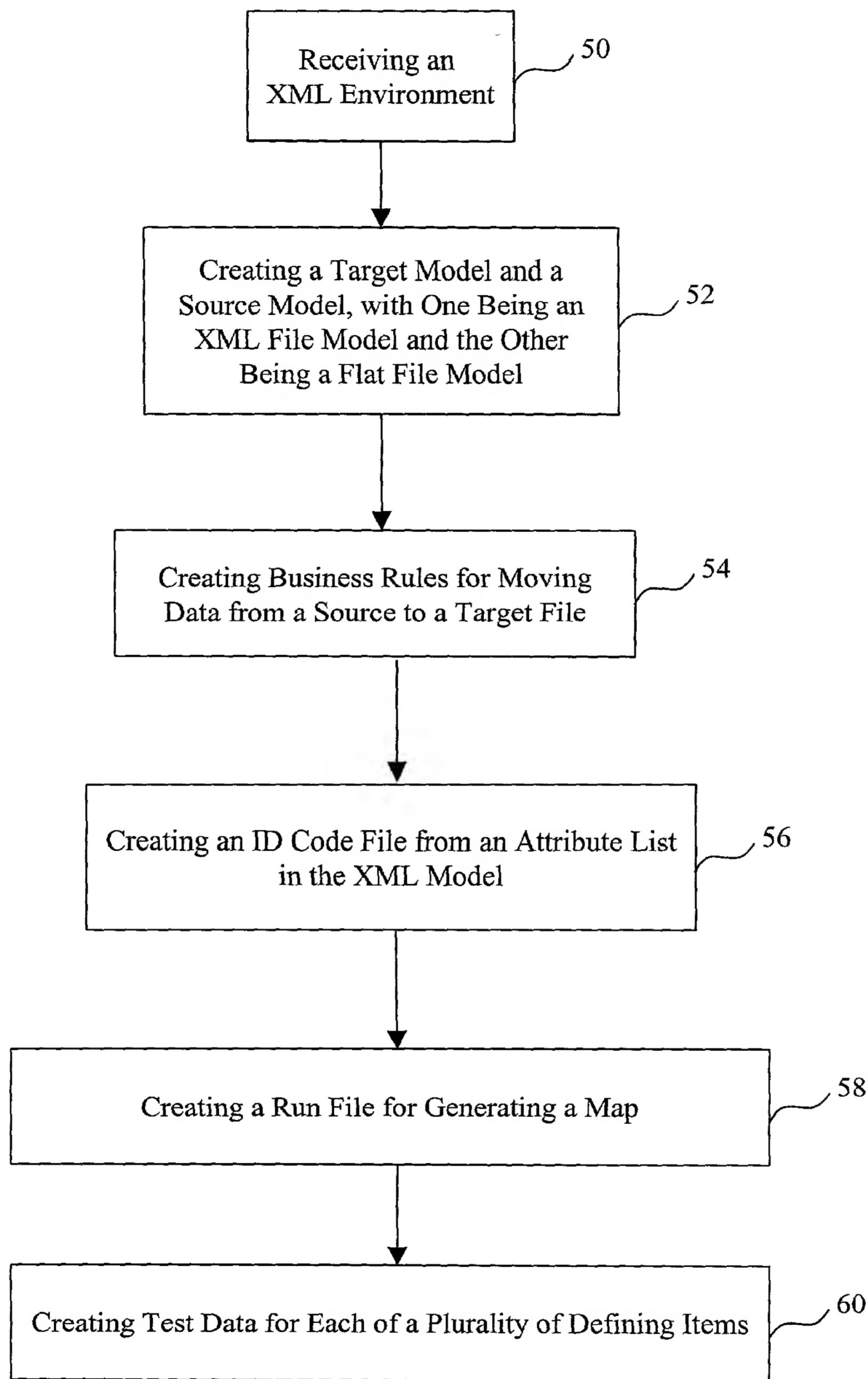


Fig. 3

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This is a sample of the XML DTD

```
<!ELEMENT PurchaseOrder (HeaderInformation,
DetailInformation+, ShippingInstructions)>
<!ELEMENT HeaderInformation
(CompanyName, CompanyAddress, CompanyState,
CompanyZip, PurchaseOrderNumber,
PurchaseOrderDate)>

<!ELEMENT DetailInformation (LineItem+)>
<!ELEMENT LineItem (LineNumber, QuantityOrdered,
PartNumber, PartDescription)>

<!ELEMENT ShippingInstructions (ShipDate, ShipDetails,
ShipCancelDate)>

<!ELEMENT CompanyName (#PCDATA)>
<!ELEMENT CompanyAddress (#PCDATA)>
<!ELEMENT CompanyCity (#PCDATA)>
<!ELEMENT CompanyState (#PCDATA)>
<!ELEMENT CompanyZip (#PCDATA)>
<!ELEMENT PurchaseOrderNumber (#PCDATA)>
<!ELEMENT PurchaseOrderDate (#PCDATA)>

<!ELEMENT LineNumber (#PCDATA)>
<!ELEMENT QuantityOrdered (#PCDATA)>
<!ELEMENT PartNumber (#PCDATA)>
<!ELEMENT PartDescription (#PCDATA)>

<!ELEMENT ShipDate (#PCDATA)>
<!ELEMENT ShipDetails (#PCDATA)>
<!ELEMENT ShipCancelDate (#PCDATA)>
```

Fig. 4A

This is a sample of the XML document that follows the DTD

```
<?XML Version="1.0"?>
<PurchaseOrder>
  <HeaderInformation>
    <CompanyName>ACME Distributing</CompanyName>
    <CompanyAddress>123 Main Street</CompanyAddress>
    <CompanyCity>Washington</CompanyCity>
    <CompanyState>DC</CompanyState>
    <CompanyZip>20202</CompanyZip>
    <PurchaseOrderNumber>27015219</ PurchaseOrderNumber >
    <PurchaseOrderDate>08171999</ PurchaseOrderDate >
  </HeaderInformation>
  <DetailInformation>
    <LineItem>
      <LineNumber>1</LineNumber>
      <QuantityOrdered>12</QuantityOrdered>
      <PartNumber>3AB32</PartNumber>
      <PartDescription>Blue Suede Shoe</PartDescription>
    </LineItem>
    <LineItem>
      <LineNumber>2</LineNumber>
      <QuantityOrdered>100</QuantityOrdered>
      <PartNumber>46Q64</PartNumber>
      <PartDescription>Shoe Laces 36 inch black</PartDescription>
    </LineItem>
  </DetailInformation>
  <ShippingInstructions>
    <ShipDate>09011999</ShipDate>
    <ShipDetails>Deliver to Door #10</ShipDetails>
    <ShipCancelDate>10011999</ShipCancelDate>
  </ShippingInstructions>
</PurchaseOrder>
```

Fig. 4B

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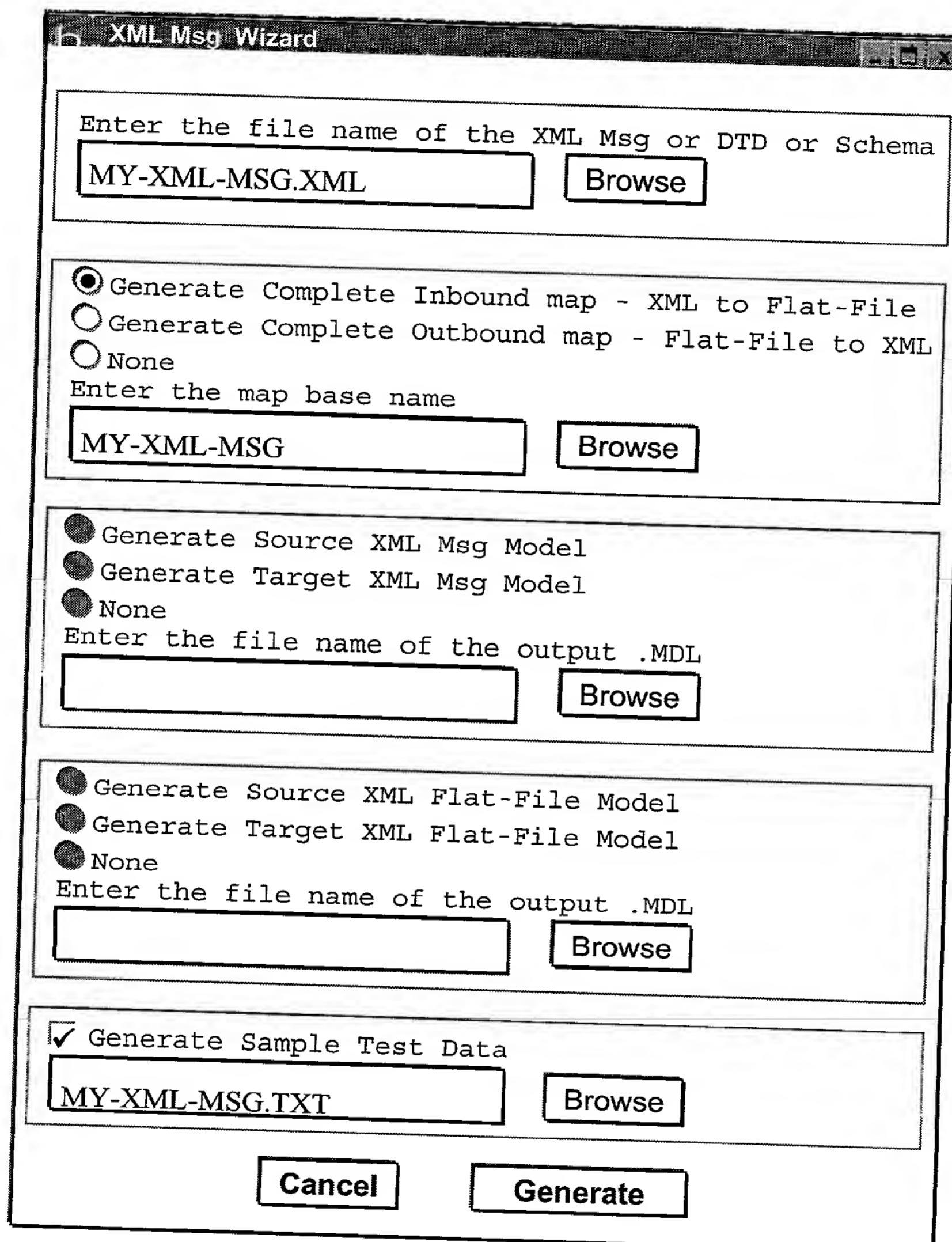


Fig. 5

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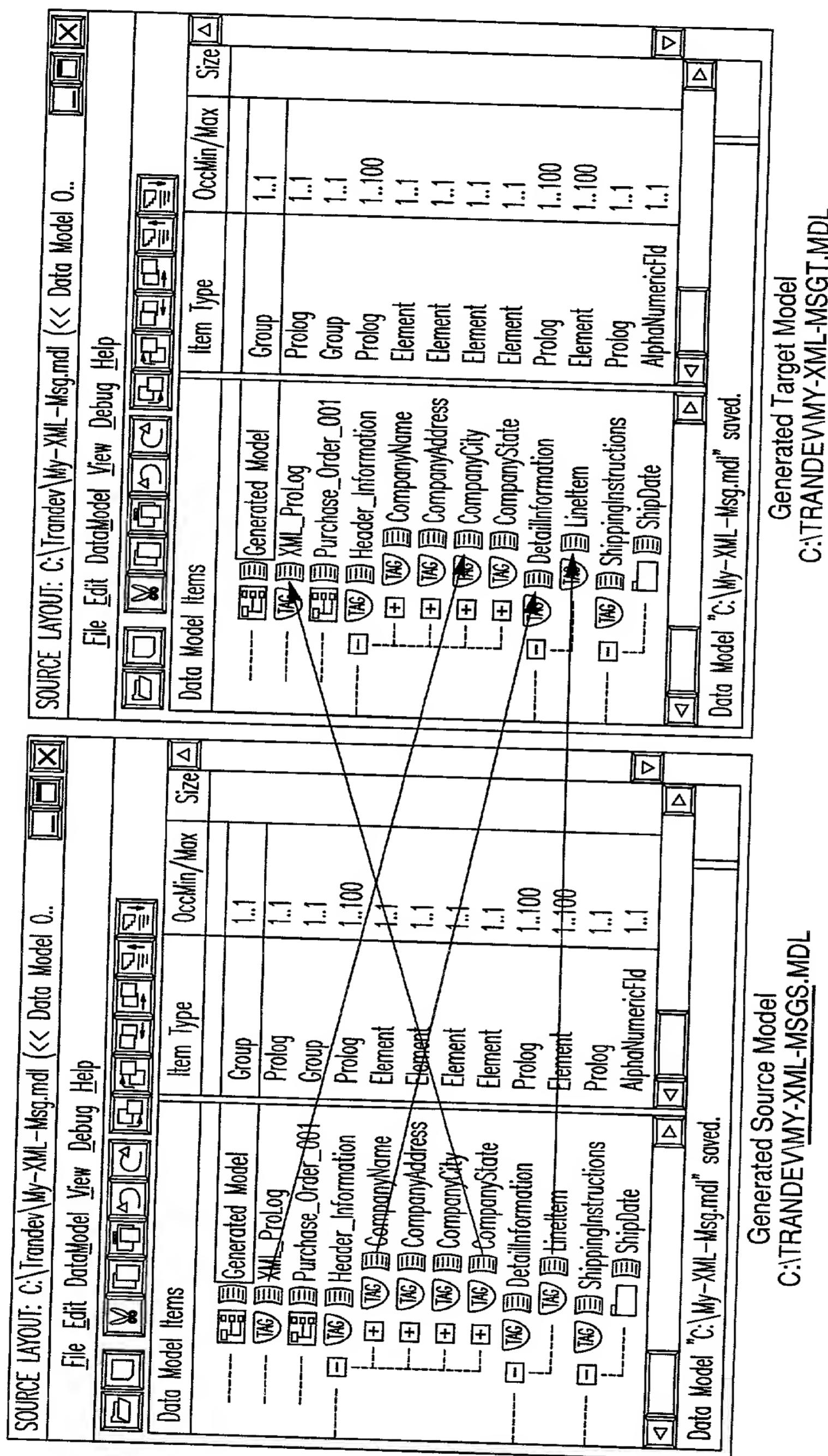


Fig. 7

Fig. 6

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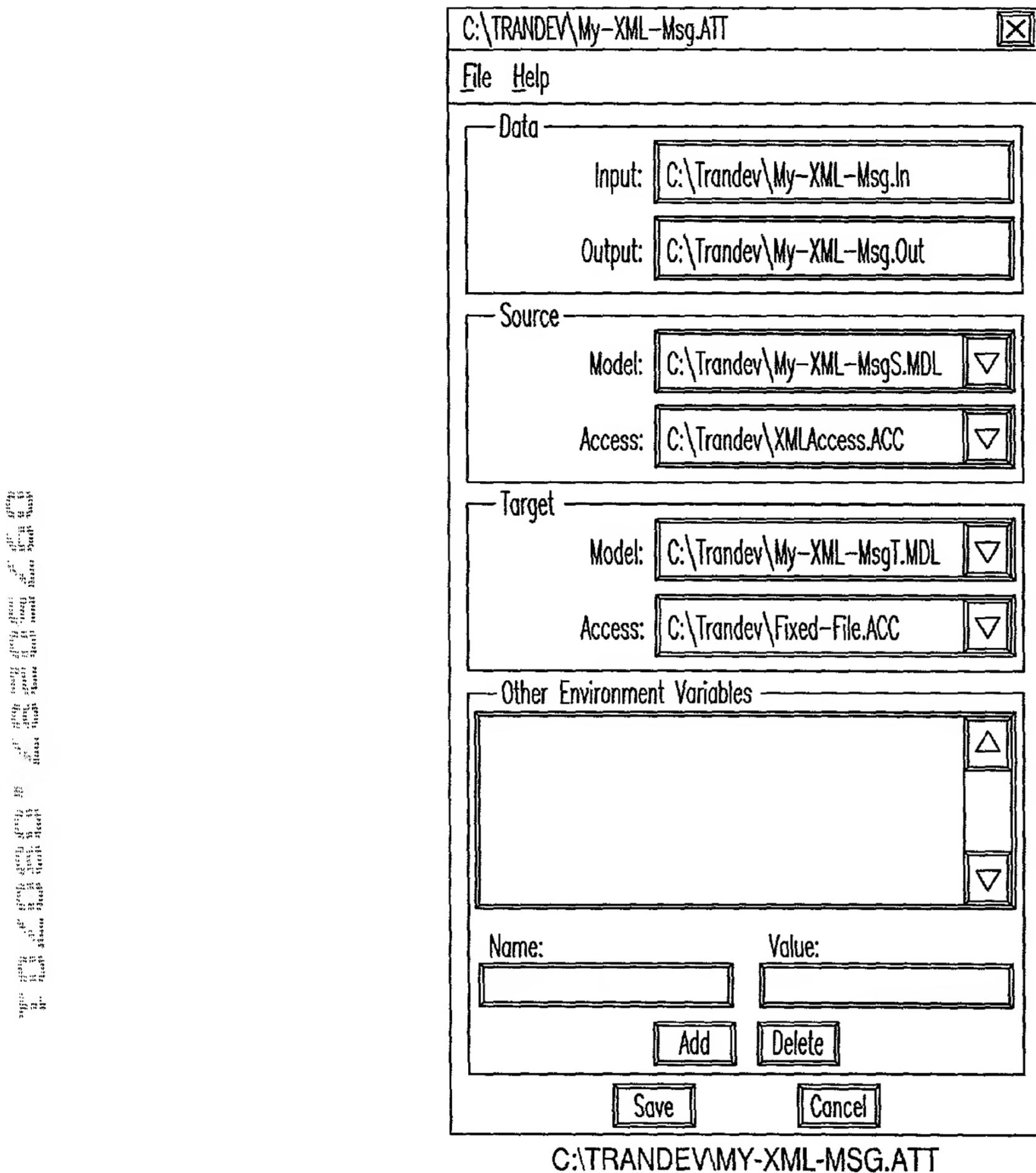
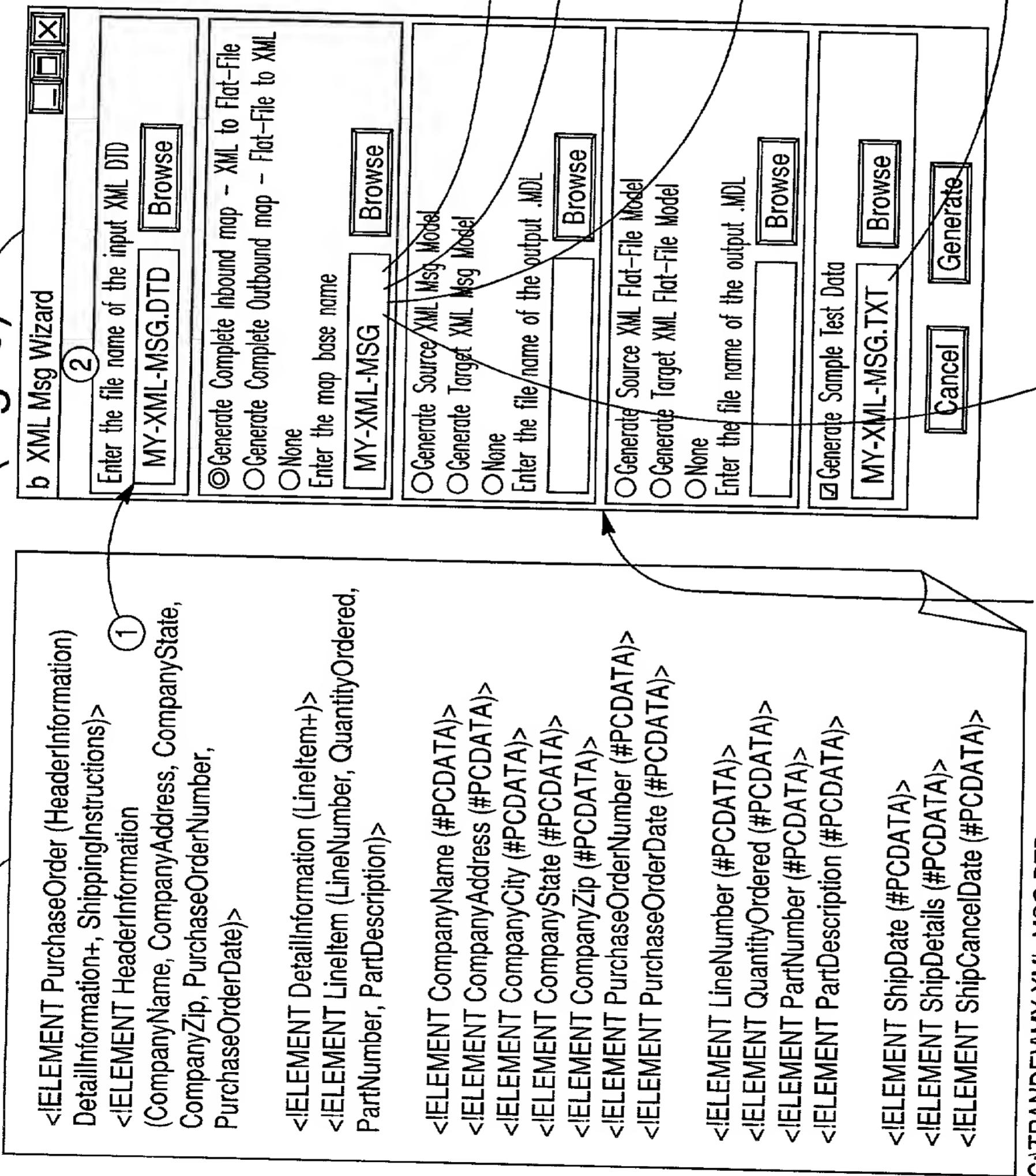


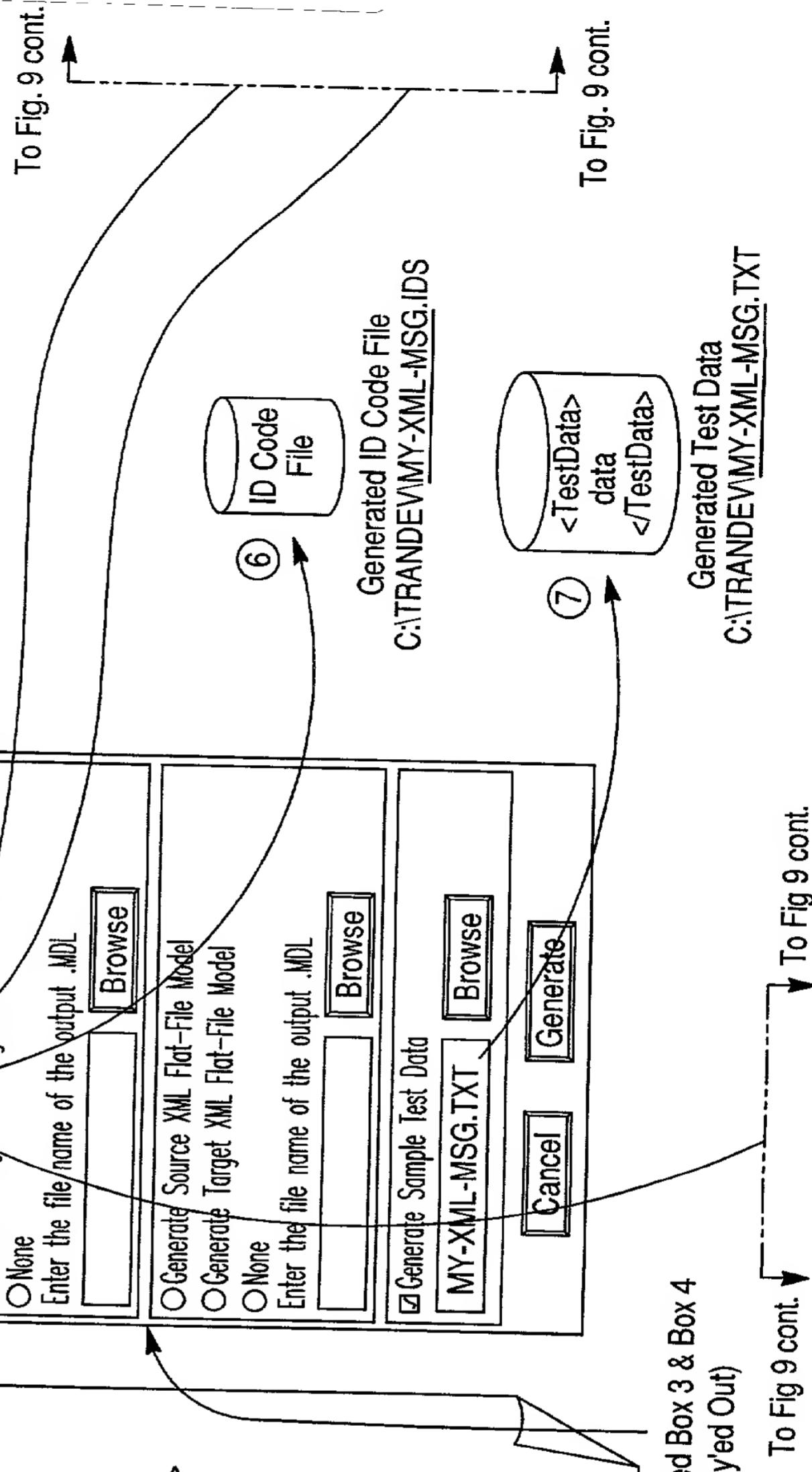
Fig. 8

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(Fig. 4A)

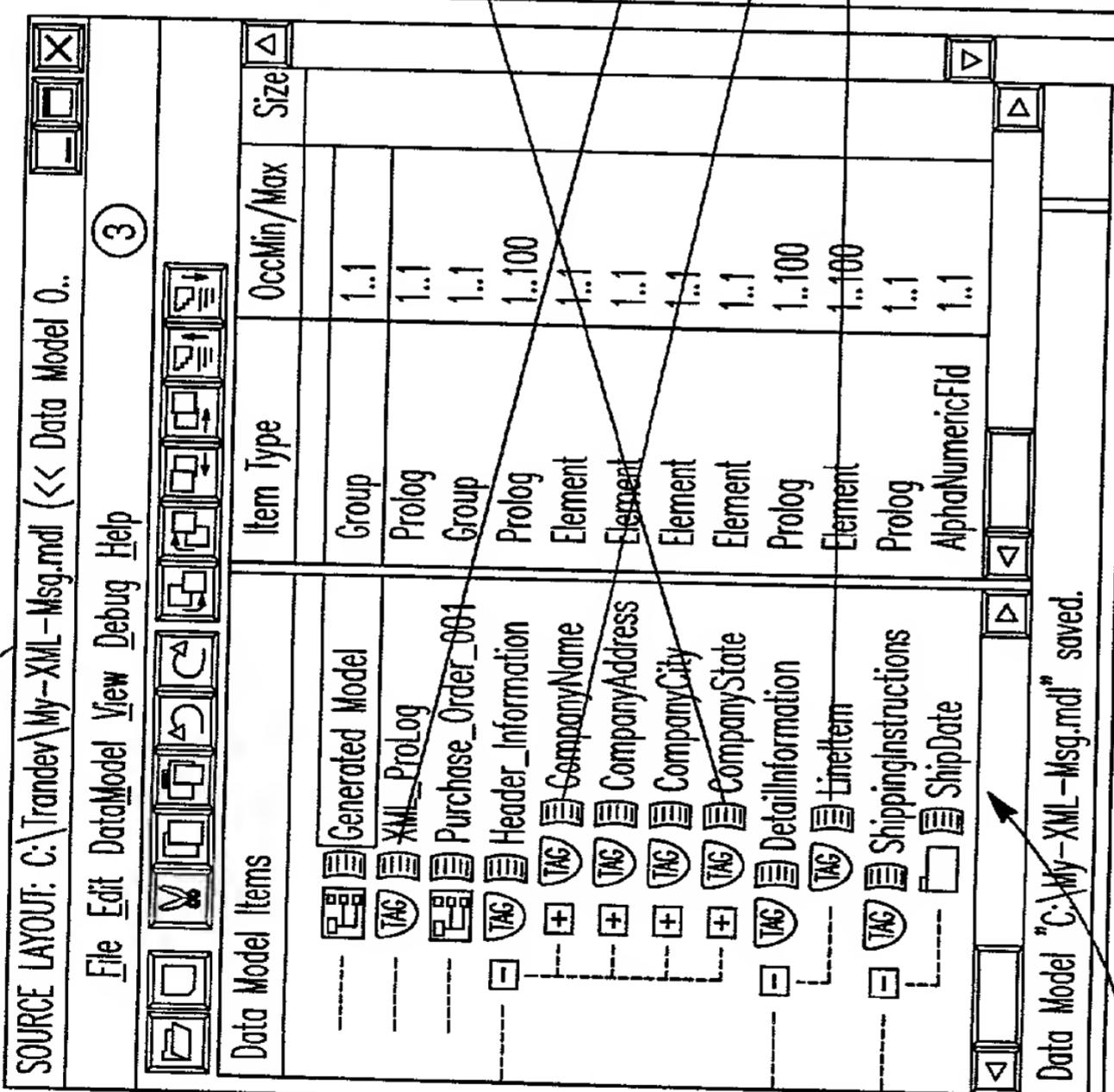


The screenshot shows the 'XML Msg Wizard' dialog box. At the top left is the title bar with the text 'XML Msg Wizard'. To its right are three buttons: a close button (X), a minimize button, and a maximize button. Below the title bar, there is a large text input field containing the placeholder text 'Enter the file name of the input XML DTD'. To the right of this input field is a 'Browse' button. At the bottom of the dialog box, there is a horizontal toolbar with several icons. The second icon from the left is circled with a red circle and the number '2' inside, indicating it is the focus of the figure caption.



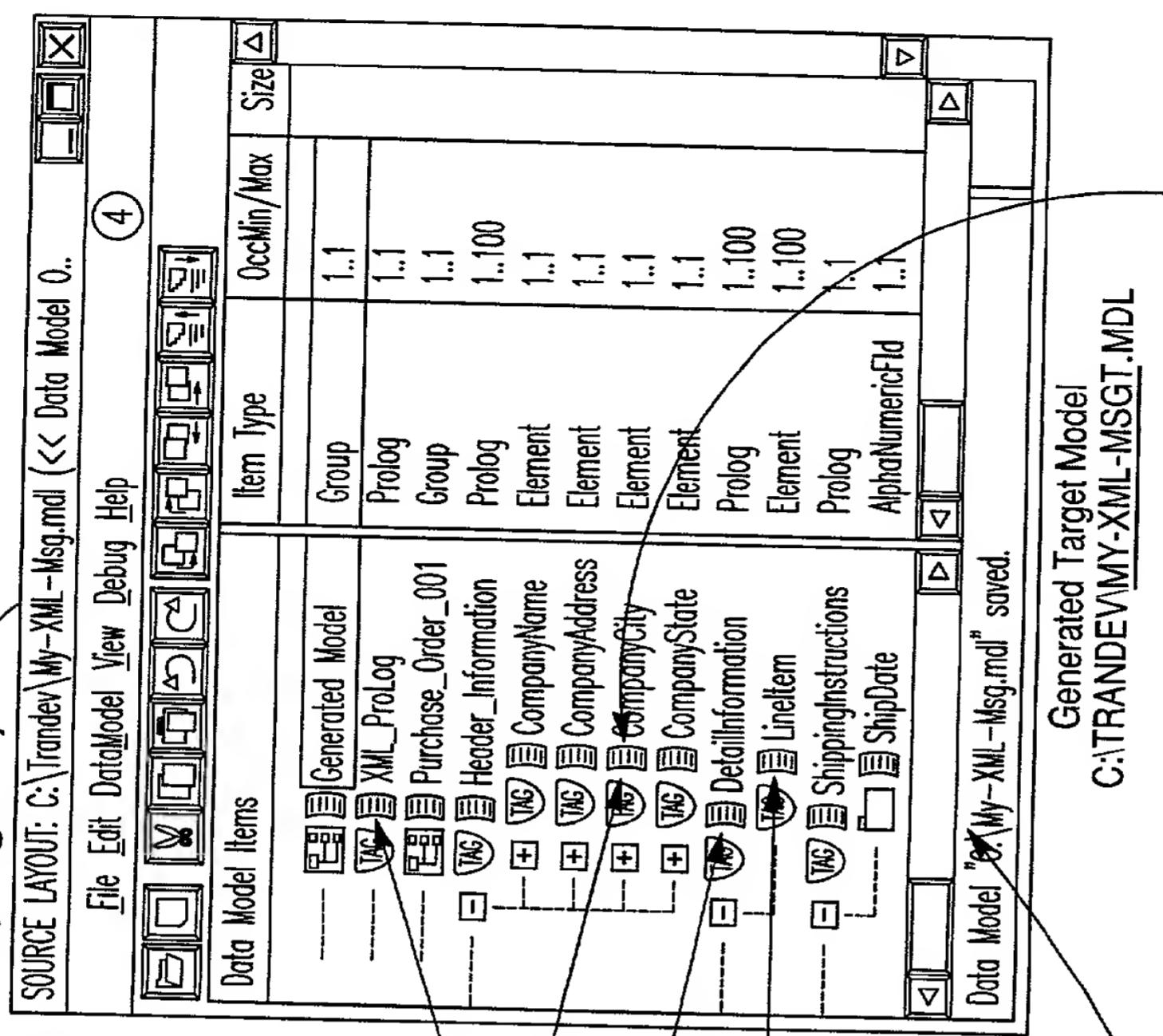
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(Fig. 6)



From Fig. 9

(Fig. 7)



From Fig. 9

Generated Mappings

Generated Source Model
C:\TRANDEV\MY-XML-MSGS.MDL

Generated Target Model
C:\TRANDEV\MY-XML-MSGT.MDL

Fig. 9 (cont.)

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